

What is claimed is:

1. An apparatus comprising:
an elongated tubular form element, wherein the tubular form element
5 includes a tubular boundary, wherein the boundary bounds a longitudinal
interior chamber, wherein the tubular form element includes at least one female
engagement portion adapted to engagingly receive a male engagement portion,
wherein the at least one female engagement portion extends into the interior
chamber, wherein the at least one female engagement portion includes an
10 opening at the boundary, wherein the tubular form element includes at least one
male engagement portion extending outwardly of the boundary.
2. The apparatus of Claim 1, wherein the tubular form element is of a
symmetrical permitting geometry.
- 15 3. The apparatus of Claim 1 or 2, wherein the tubular form element is
octagonal and wherein there are at least five female engagement portions.
4. The apparatus of Claim 1, 2, or 3, wherein the tubular form element is
20 octagonal and comprises at least seven wall faces and wherein there are at least
two male engagement portions.
5. The apparatus of any of Claims 1-4, wherein the tubular form element
has apertures in at least one face of the form element.
- 25 6. The apparatus of any of Claims 1-5, wherein the tubular form is
operative to mate with another tubular form element by having one female
engagement portion of one tubular form element mate with one male
engagement portion of another tubular form element.

30

7. The apparatus of Claim 6, wherein mating of the male engagement portion and the female engagement portion occurs at a vertex of the form element.
- 5 8. The apparatus of Claim 7, wherein mated multiple tubular form elements are operative to form a wall structure.
9. The apparatus of Claim 8, comprising multiple wall structures, wherein the multiple wall structures form at least one wall of a building.
- 10 10. The apparatus of Claim 8 or Claim 9, further comprising insulation, reinforcing bars, and concrete within the multiple wall structures.